



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DEC 13 2003

DECEMBER 06, 2000

PTAS

IBM CORPORATION  
LYNN L. AUGSPURGER  
INTELLECTUAL PROPERTY LAW  
2455 SOUTH ROAD, MS P386  
POUGHKEEPSIE, NY 12601



\*101488626A\*

**RECEIVED**

MAR 25 2004

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

**Technology Center 2100**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/06/2000

REEL/FRAME: 011148/0165  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BEAUSOLEIL, WILLIAM F.

DOC DATE: 08/31/2000

ASSIGNOR:

COOK, R. BRYAN

DOC DATE: 09/05/2000

ASSIGNOR:

NG, TAK-KWONG

DOC DATE: 08/31/2000

ASSIGNOR:

ROTH, HELMUT

DOC DATE: 09/01/2000

ASSIGNOR:

TANNENBAUM, PETER

DOC DATE: 08/31/2000

ASSIGNOR:

THOMAS, LAWRENCE A.

DOC DATE: 09/01/2000

ASSIGNOR:

TOMASETTI, NORTON J.

DOC DATE: 09/01/2000

011148/0165 PAGE 2

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES  
CORPORATION  
NEW ORCHARD ROAD  
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09656541

PATENT NUMBER:

FILING DATE: 09/06/2000

ISSUE DATE:

DIANE RUSSELE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-16-2000



U.

101488626

Form PTO-1595

U.S. Department of Commerce

09/06/00

RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

JC841 U.S. PTO  
09/656541  
09/06/00

1. Name of conveying party(ies):  
 a) William F. Beausoleil  
 b) R. Bryan Cook g) Norton J.  
 c) Tak-kwong Ng h) Tomassetti  
 d) Helmut Roth i) \_\_\_\_\_  
 e) Peter Tannenbaum j) \_\_\_\_\_  
 f) Lawrence A. Thomas \_\_\_\_\_
2. Name and Address of receiving Party(ies):  
 Name: INTERNATIONAL BUSINESS MACHINES CORPORATION  
 Address: New Orchard Road Armonk, NY 10504

More names attached? Y x NMore names attached? Y x N3. Nature of Conveyance: x Assignment

4. Application number: \_\_\_\_\_ Filed: \_\_\_\_\_  
 Filed with new application: Yes X No \_\_\_\_\_  
 Execution date(s): \_\_\_\_\_

09/656541

- a) August 31, 2000 g) September 1, 2000  
 b) September 5, 2000 h) \_\_\_\_\_  
 c) August 31, 2000 i) \_\_\_\_\_  
 d) September 1, 2000 j) \_\_\_\_\_  
 e) August 31, 2000 k) \_\_\_\_\_  
 f) September 1, 2000 l) \_\_\_\_\_

Additional numbers attached? Y x N

5. Name and address of party to whom correspondence concerning document should be mailed:  
Lynn L. Augspurger  
IBM Corporation  
Intellectual Property Law  
2455 South Road, MS P386  
Poughkeepsie, NY 12601  
(845) 433-1174
6. Total # of applications and patents involved: 01
7. Total fee (37 CFR 3.41):  
\$ 40.00
8. Charge to Deposit Account  
09-0463.

DO NOT USE THIS SPACE

9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Billy R. Stacy

Signature

September 6, 2000  
DateTotal # of pages comprising cover sheet, attachments, and document: 3

Exp. Mail Label:(if applicable)\_EK830777855US\_ Docket No. POU920000047US1

10/16/2000 MTHA11 00000018 090463 09656541

01 FC:581

40.00 CH

**A S S I G N M E N T**

Whereas, We

Inventor	(1) William F. BEAUSOLEIL County of Dutchess	of Hopewell Junction, and State of New York,
Inventor	(2) R. Bryan COOK County of Dutchess	of Poughkeepsie, and State of New York,
Inventor	(3) Tak-kwong NG County of Dutchess	of Hyde Park, and State of New York,
Inventor	(4) Helmut ROTH County of Dutchess	of Hopewell Junction, and State of New York,
Inventor	(5) Peter TANNENBAUM County of Ulster	of Woodstock, and State of New York,
Inventor	(6) Lawrence A. THOMAS County of Ulster	of West Hurley, and State of New York,
Inventor	(7) Norton J. TOMASSETTI County of Ulster	of Kingston, and State of New York,

have invented certain improvements in HIGH SPEED SOFTWARE DRIVEN EMULATOR COMPRISED OF A PLURALITY OF EMULATION PROCESSORS WITH A METHOD TO ALLOW HIGH SPEED BULK READ/WRITE OPERATION SYNCHRONOUS DRAM WHILE REFRESHING THE MEMORY and executed, respectively, a United States patent application therefor on

(1) August 31, 2000	, (2) September 5, 2000	,
(3) August 31, 2000	, (4) September 1, 2000	,
(5) August 31, 2000	, (6) September 1, 2000	, and
(7) September 1, 2000	.	

Whereas, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM,) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

1. at Poughkeepsie, NY  
on 8/31/2000

William F. Beausoleil  
WILLIAM F. BEAUSOLEIL

2. at Poughkeepsie, NY  
on 9/5/2000

R. Bryan Cook  
~~BRYAN R. COOK~~ R. Bryan Cook (C)

3. at Poughkeepsie, NY  
on 8/31/2000

Tak Kwong Ng  
TAK-KWONG NG

4. at Poughkeepsie, NY  
on 9/1/2000

Helmut Roth  
HELMUT ROTH

5. at POUGHKEEPSIE, NY  
on 8/31/2000

Peter Tannenbaum  
PETER TANNENBAUM

6. at WEST HURLEY <sup>(AM)</sup>  
at Poughkeepsie, NY  
on 9/1/2000

Lawrence A. Thomas  
LAWRENCE A. THOMAS

7. at Poughkeepsie, NY  
on 9/1/2000

Norton J. Tomassetti  
NORTON J. TOMASSETTI